

The diagram illustrates a color filter array 100, which is a grid of color filters. The array is labeled 100 at the top center. The filters are arranged in a grid of 8 rows and 12 columns. The filters are labeled 10_r (red), 10_g (green), and 10_b (blue). The filters are arranged in a repeating pattern of 10_r, 10_g, and 10_b filters. The filters are arranged in a grid of 8 rows and 12 columns. The filters are labeled 10_r (red), 10_g (green), and 10_b (blue). The filters are arranged in a repeating pattern of 10_r, 10_g, and 10_b filters.

10 _r	10 _g	10 _g	10 _g	10 _r	10 _g	10 _g	10 _g	10 _r	10 _g	10 _g	10 _g
10 _g	10 _g	10 _r	10 _g	10 _g	10 _g	10 _r	10 _g	10 _g	10 _g	10 _r	10 _g
10 _b	10 _g	10 _g	10 _g	10 _b	10 _g	10 _g	10 _g	10 _b	10 _g	10 _g	10 _g
10 _g	10 _g	10 _b	10 _g	10 _g	10 _g	10 _b	10 _g	10 _g	10 _g	10 _b	10 _g
10 _r	10 _g	10 _g	10 _g	10 _r	10 _g	10 _g	10 _g	10 _r	10 _g	10 _g	10 _g
10 _g	10 _g	10 _r	10 _g	10 _g	10 _g	10 _r	10 _g	10 _g	10 _g	10 _r	10 _g
10 _b	10 _g	10 _g	10 _g	10 _b	10 _g	10 _g	10 _g	10 _b	10 _g	10 _g	10 _g
10 _g	10 _g	10 _b	10 _g	10 _g	10 _g	10 _b	10 _g	10 _g	10 _g	10 _b	10 _g

color filter array

Figure 2

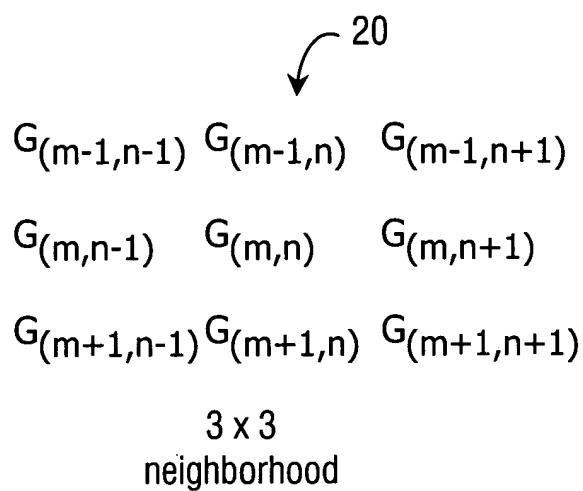


Figure 3A

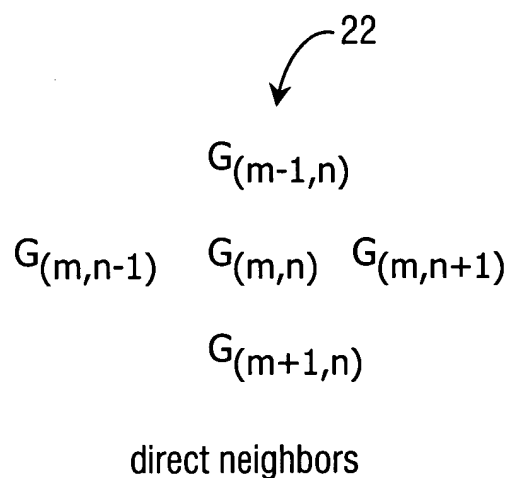


Figure 3B

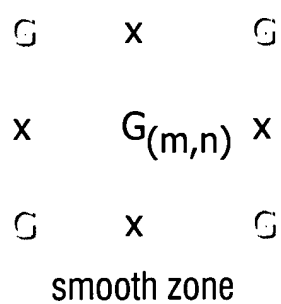


Figure 3C

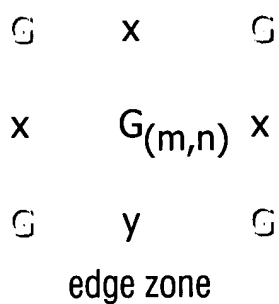


Figure 3D

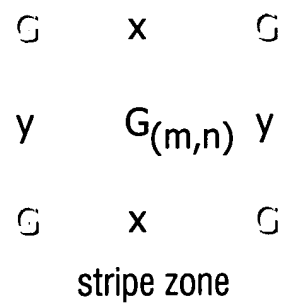
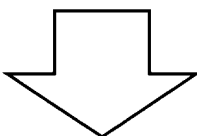


Figure 3E

R	G	G	G	R	G	G	G	R
G	G	R	G	G	G	R	G	G
B	G	G	G	B	G	G	G	B
G	G	B	G	G	G	B	G	G
R	G	G	G	R	G	G	G	R
G	G	R	G	G	G	R	G	G



H _R	G	G	G	H _R	G	G	G	H _R
G	G	H _R	G	G	G	H _R	G	G
B	G	G	G	B	G	G	G	B
G	G	B	G	G	G	B	G	G
H _R	G	G	G	H _R	G	G	G	H _R
G	G	H _R	G	G	G	H _R	G	G



Figure 4

[illegible]

Figure 5A

smooth zone

Figure 5B

x

x $H_{R(m,n)}$ *

*

*

corner zone

Figure 5C

y
 $x \quad H_{R(m,n)} \quad * \quad * \quad x$
 $*$
 $*$
 stripe zone

Figure 5D

$$\begin{array}{ccccc}
 & & H_{R(m-1,n)} & & \\
 & & & & \\
 H_{R(m,n-1)} & * & H_{R(m,n)} & * & H_{R(m,n+2)} \\
 & & & & \\
 26 & \nearrow & * & & \\
 & & * & & \\
 & & H_{R(m+3,n)} & &
 \end{array}$$

Figure 6A

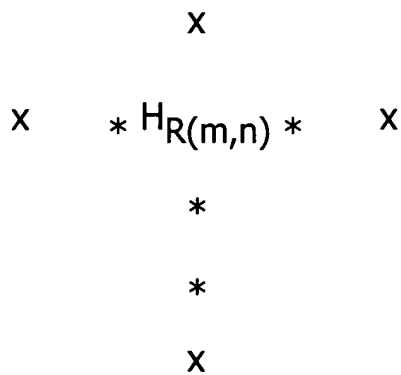


Figure 6B

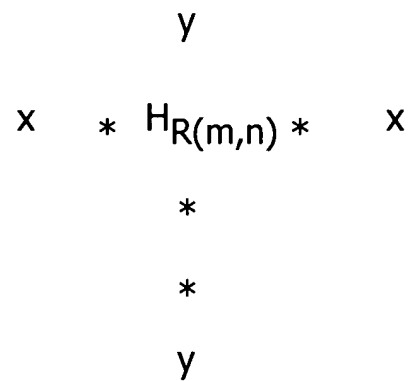


Figure 6C

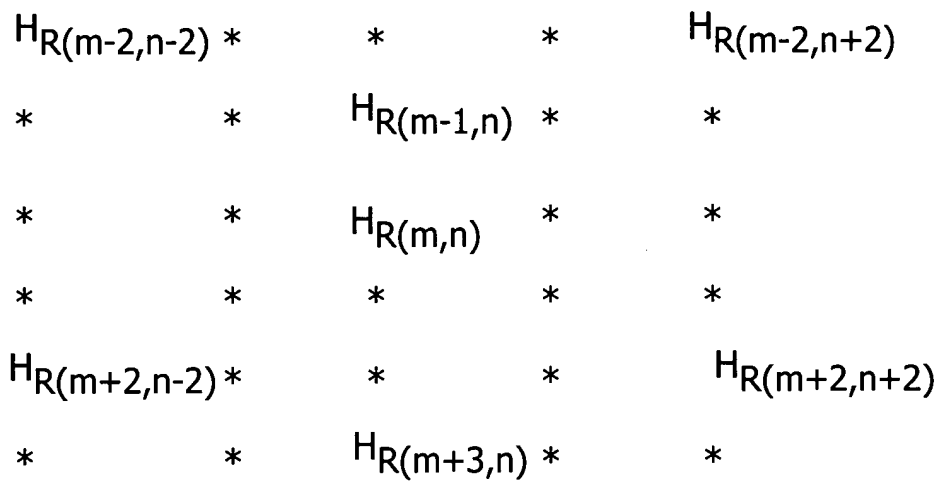
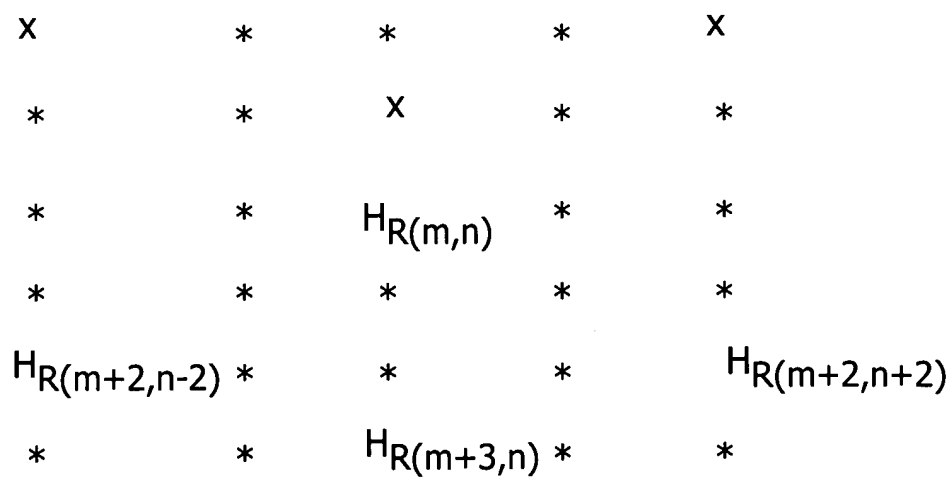


Figure 7A



smooth zone

Figure 7B

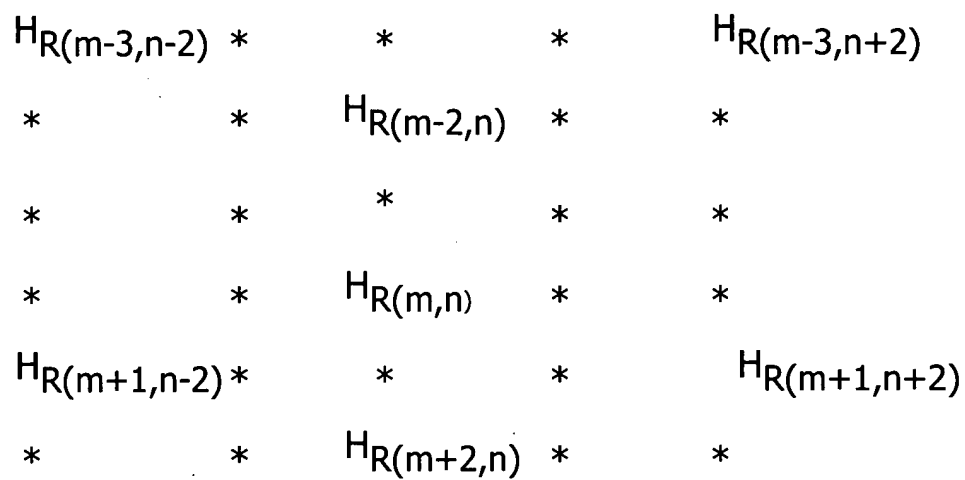
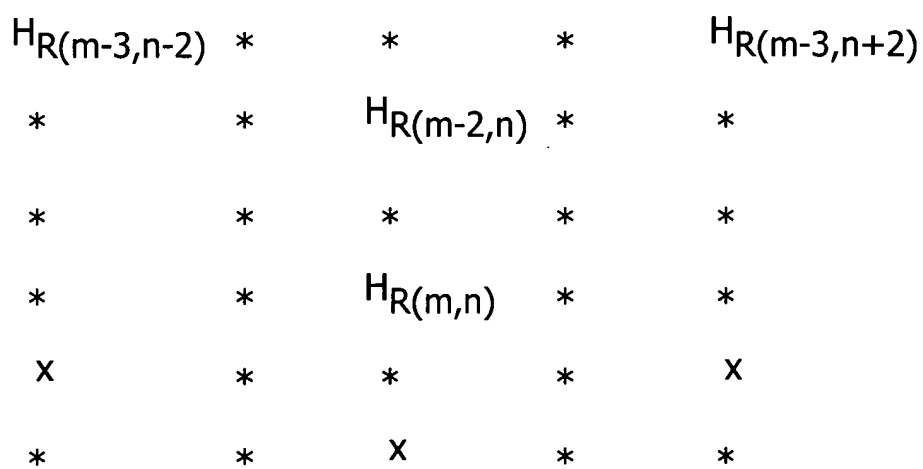


Figure 8A



smooth zone

Figure 8B

[illegible]

Figure 8C

Figure 8C

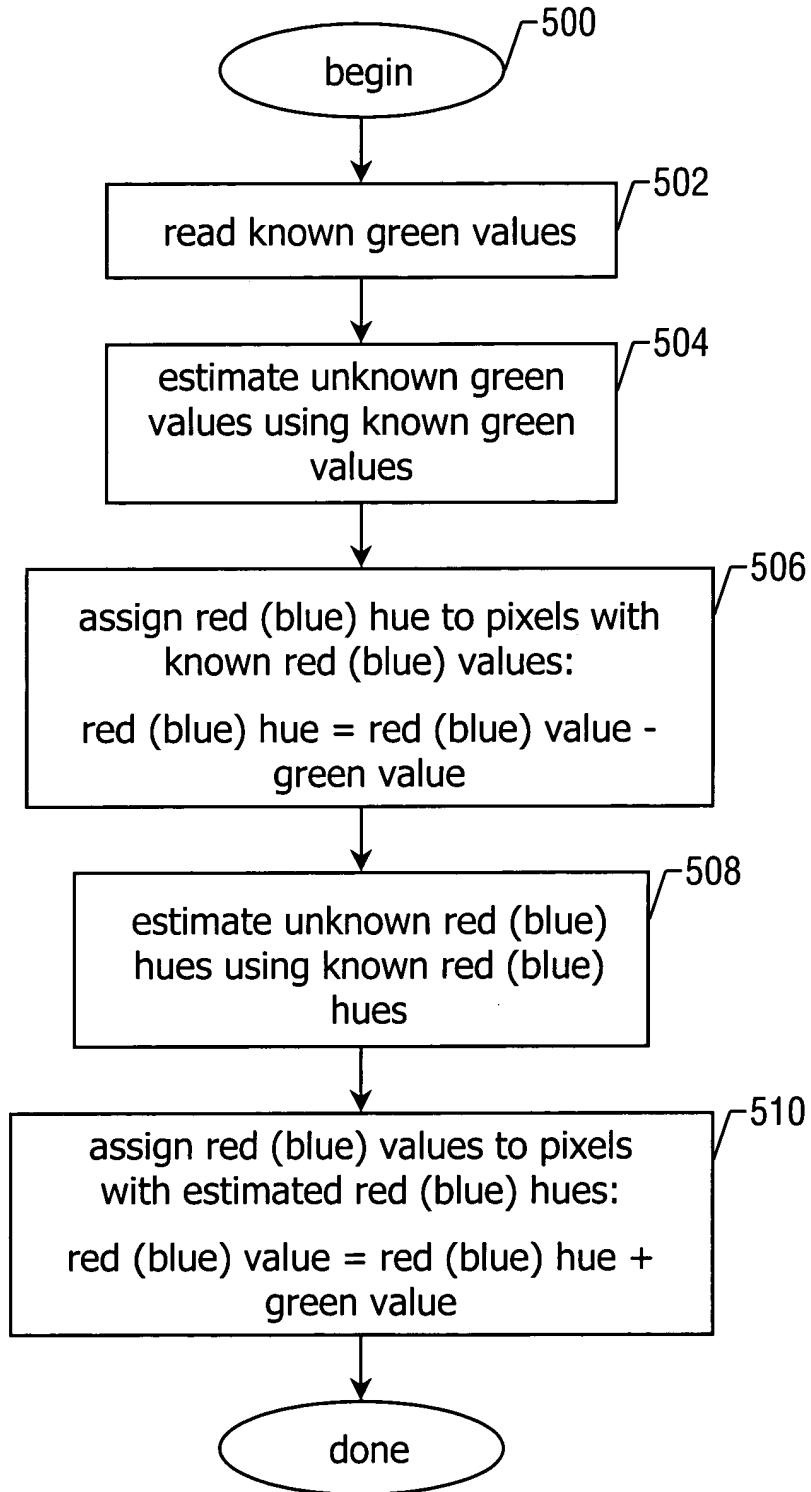
[illegible]

Figure 9